

Course Title: RHIC Facility Specific Information for Electronic Assembly  
Process/Operation)  
Course Number RC-Env-FS1

**Because this work activity has been identified as having significant potential to impact the environment, this material has been compiled to provide you with the job-specific information that you must know to protect the environment.**

**Please read the following carefully. If you have any questions concerning the material, contact your supervisor or ES&H Coordinator.**

**Environmental Process Evaluation Title:** Electronic Assembly Operation 522

**Environmental Aspect** Hazardous Waste Generation, Atmospheric Discharges

**Contacts for the Information** Environmental Compliance Rep, Waste Management,  
Environmental Services Division – Subject Matter  
Expert, Facility Support Rep, ES&H Coordinator

**Job Training Assessment Links** RC-P6, RC-06, RC-21  
(PHENIX, Electrical Support, Cryo, Det.  
Assembly)

1) What potential impacts to the environment are associated with your activities (i.e. types of contamination that could impact air or water, generation of excess waste)?

- Soil Contamination from improper offsite disposal
- Air pollution onsite/offsite.

2) What consequences may result if your operations were to impact the environment (i.e. disciplinary action, loss of permits, shutdown of facility)?

- Regulatory noncompliance, fines, violations.

3) What benefits or positive effects would you notice with improved environmental performance (i.e., reduced disposal costs, improved relationships with regulators and public)?

- Satisfying compliance requirements and avoid NYS or EPA violations/fines.
- Good work practices.

4) What role and responsibility do you have for these potential impacts and environmental performance?

- Store solder tailings in a closed container (satellite accumulation area).
- Dispose of cleaning solvents, epoxies and solder tailings as hazardous waste.
- Complete log book for all hood use.
- Follow applicable requirements in the following SBMS Environmental Compliance Subject Area (<http://sbms.bnl.gov/>)
  - Hazardous Waste Management (Sections 1-3)
  - Non-Radioactive Airborne Emissions (Section 2)

5) What controls or procedures are implemented to reduce the potential for emergency?

- Satellite Accumulation Area to store solder tailings.
- Tier I inspections.
- Flammable chemicals stored in approved flammables cabinet.
- Completion of log book when using hood.

6) How would you respond in an emergency to reduce the potential for environmental impact and what actions could be taken to mitigate? (Refer to existing procedures and documents (i.e. the Local Emergency Plan) where applicable)

- No specific emergency scenario is likely but, as Laboratory requirements state, call x2222 if an emergency does occur.

7) What pollution prevention and waste minimization techniques have been or could be considered to reduce or eliminate the potential to impact the environment?

- Recycling scrap metal and wire spools.
- Evaluate less hazardous substitutes for solvents.

8) Are there any key Environmental-specific Competency Requirements (Experience, Education, Qualification) for this position?

- Hazardous Waste Generator Training for Supervisors

**Fill Out Reading Acknowledgment Form**